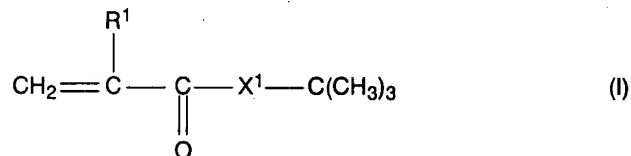


## A P P E N D I X II:

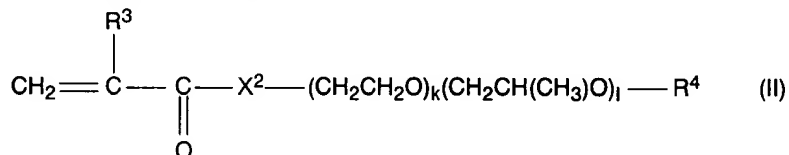
THE LISTING OF CLAIMS:

1. (currently amended) A hair treatment composition comprising at least one water-soluble or water-dispersible polymer and a cosmetic auxiliary, wherein the polymer comprises, in copolymerized form,
- a) from 45 to 85% by weight of at least one  $\alpha,\beta$ -ethylenically unsaturated monomer of the formula I



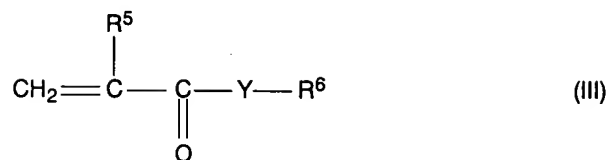
in which

- $\text{R}^1$  is hydrogen or  $\text{C}_1$ - $\text{C}_8$ -alkyl, and
- $\text{X}^1$  is O or  $\text{NR}^2$ , where  $\text{R}^2$  is hydrogen,  $\text{C}_1$ - $\text{C}_8$ -alkyl or  $\text{C}_5$ - $\text{C}_8$ -cycloalkyl,
- b) from 10 to 30% by weight of at least one  $\alpha,\beta$ -ethylenically unsaturated mono- and/or dicarboxylic acid,
- c) from 1 to 20% by weight of at least one compound having at least one  $\alpha,\beta$ -ethylenically unsaturated double bond and at least 5 alkylene oxide units per molecule, chosen from polyether acrylates of the formula II



in which

- the order the the alkylene oxide units is arbitrary,
- $k$  and  $l$  independently of one another are an integer from 0 to 50, the sum of  $k + l$  being at least 5,
- $\text{R}^3$  is hydrogen or  $\text{C}_1$ - $\text{C}_8$ -alkyl, and
- $\text{R}^4$  is hydrogen or  $\text{C}_1$ - $\text{C}_6$ -alkyl,
- $\text{X}^2$  is O or  $\text{NR}^2$ , where  $\text{R}^2$  is hydrogen,  $\text{C}_1$ - $\text{C}_8$ -alkyl or  $\text{C}_5$ - $\text{C}_8$ -cycloalkyl,
- d) from 1 to 30% by weight of at least one compound having at least one  $\alpha,\beta$ -ethylenically unsaturated double bond and at least one straight chain or branched  $\text{C}_8$ - $\text{C}_{30}$ -alkyl or alkylene radical per molecule, chosen from compounds of the formula III



in which

R<sup>5</sup> is hydrogen or C<sub>1</sub>-C<sub>8</sub>-alkyl,

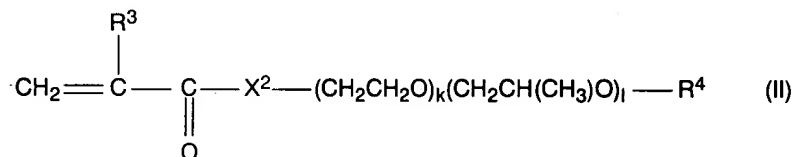
R<sup>6</sup> is a straight-chain or branched C<sub>8</sub>-C<sub>30</sub>-alkyl radical, and

Y is O or NR<sup>7</sup>, where R<sup>7</sup> is hydrogen, C<sub>1</sub>-C<sub>8</sub>-alkyl or C<sub>5</sub>-C<sub>8</sub>-cycloalkyl,

where the components c) and/or d) can be partially or completely replaced by a component e), where

e) is at least one compound having at least one α,β-ethylenically unsaturated double bond, at least 5 alkylene oxide units and at least one straight-chain or branched C<sub>8</sub>-C<sub>30</sub>-alkyl or -alkylene radical per molecule, where component e) is chosen from

e1) polyether acrylates of the formula II



in which

the order the the alkylene oxide units is arbitrary,

k and l independently of one another are an integer from 0 to 50, the sum of k + l being at least 5,

R<sup>3</sup> is hydrogen or C<sub>1</sub>-C<sub>8</sub>-alkyl, and

R<sup>4</sup> is C<sub>8</sub>-C<sub>30</sub>-alkyl,

X<sup>2</sup> is O or NR<sup>2</sup>, where R<sup>2</sup> is hydrogen, C<sub>1</sub>-C<sub>8</sub>-alkyl or C<sub>5</sub>-C<sub>8</sub>-cycloalkyl,

e2) urethane (meth)acrylates containing alkylene oxide groups,

and mixtures thereof,

or [[the]] salts thereof, and wherein the polymer is present in an effective amount to provide film-forming properties to the composition.

2. (canceled)

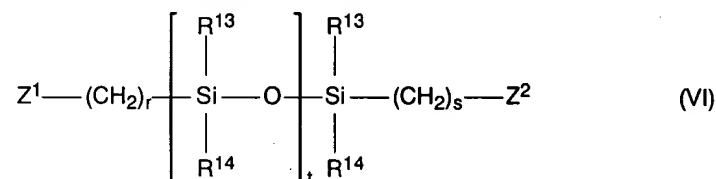
3. (canceled)

4. (canceled)

5. (canceled)

6. (previously presented) A composition as claimed in claim 1, where component e2) additionally comprises, in incorporated from, at least one component chosen from

- n) compounds having a molecular weight in the range from 56 to 300 which contain two active hydrogen atoms per molecule,
- o) polytetrahydrofurans having two active hydrogen atoms per molecule
- p) polysiloxanes of the formula VI



in which

$R^{13}$  and  $R^{14}$  independently of one another are  $C_1$ - $C_4$ -alkyl, benzyl, phenyl or a radical of the formula VII



where in formula VII

the order of the alkylene oxide units is arbitrary,

u is an integer from 1 to 8,

v and w independently of one another are an integer from 0 to 200, the sum  $v + w$  being  $> 0$ ,

$Z^1$  and  $Z^2$  independently of one another are OH,  $NHR^{15}$  or a radical of formula VII, where  $R^{15}$  is hydrogen,  $C_1$ - $C_6$ -alkyl or  $C_5$ - $C_8$ -cycloalkyl,

r and s independently of one another are from 2 to 8,

t is from 3 to 50,

and mixtures thereof.

7. (previously presented) A composition as claimed in claim 1, comprising a polymer which comprises, in copolymerized form,

- from 45 to 80% by weight, of at least one component a),
- from 15 to 28% by weight, of at least one component b),
- from 2 to 15% by weight, of at least one component c),
- from 2 to 25% by weight, of at least one component d),

where components c) and/or d) can be partially or completely replaced by a component e).

8. (canceled)

9. (currently amended) A composition as claimed in claim 1, comprising

- i) ~~[[a+]]~~ from 0.5 to 20% by weight of at least one water-soluble or -dispersible polymer, as defined in claim 1,
- ii) ~~[[b+]]~~ from 30 to 99.5% by weight, of at least one solvent chosen from water, water-miscible solvents and mixtures thereof,
- iii) ~~[[e+]]~~ from 0 to 70% by weight of a propellant,
- iv) ~~[[d+]]~~ from 0 to 10% by weight of at least one water-soluble or -dispersible hair polymer which is different from ~~[[a+]]~~ i),
- v) ~~[[e+]]~~ from 0 to 0.3% by weight of at least one water-insoluble silicone,
- vi) ~~[[f+]]~~ from 0 to 1% by weight of at least one nonionic, siloxane-containing, water-soluble or dispersible polymer.

10. (canceled)

11. (currently amended) A composition as claimed in claim 9, wherein component ~~[[b+]]~~ ii) is from 40 to 99% by weight.

12. (previously presented) A composition as claimed in claim 1, in the form of a hair spray.

13. (previously presented) The composition as claimed in claim 1, wherein the cosmetic auxiliaries are softening agents, emollients, perfumes, ultraviolet absorbers, dyes, antistatics, agents for improving combability, preservatives and antifoams.

14. (new) The composition as claimed in claim 9, in the form of a hair spray.

15. (new) The composition as claimed in claim 9, wherein the cosmetic auxiliaries are selected from softening agents, emollients, perfumes, ultraviolet absorbers, dyes, antistatics, agents for improving combability, preservatives and antifoams.

16. (new) The composition as claimed in claim 9, wherein the water-soluble or -dispersible polymer (i) comprises, in copolymerized form,

- from 45 to 80% by weight, of at least one component a),
- from 15 to 28% by weight, of at least one component b),

- from 2 to 15% by weight, of at least one component c),
  - from 2 to 25% by weight, of at least one component d),
- and where components c) and/or d) can be partially or completely replaced by a component e).